Member of the

Committee for Socio-economic Analysis

1. General Information:

Name (FAMILY NAME, First Name): Gabbert, Silke
x Ms / ☐ Mr

Appointed by *(MS/Forum): The Netherlands*

Nationality: German

2. Education:

PhD in agricultural economics (Dr. rer. agr.), Humboldt University Berlin (Germany)
Diplom (former German equivalent to MSc degree) in agricultural economics, Georg-August University Göttingen (Germany)

3. Relevant Employment

Present employment	*Senior Adviser Socio-economic Analysis, RIVM, Bilthoven, The Netherlands*
Previous relevant employment	*2016-2020: Associate Professor, Department of Environmental Economics, Wageningen University, The Netherlands*

4. Relevant fields of in-depth expertise:

Area of expertise	Description
Environmental and natural resource economics	Research on optimal resource management, decision-making under risk and uncertainty, economics of discounting; Teaching of environmental economics at university and professional level
Socio-economic analysis	Cost-effectiveness analysis, cost-benefit analysis, value-of-information analysis, multi-criteria decision analysis, integrated economic modelling
Regulation of substances of concern	Economics of the prioritization chemicals for testing and regulation, optimal control of PBT/vPvB chemicals' use (e.g. PFAS); Project leader of several research projects on stock pollution assessment of persistent chemicals.
Expert elicitation methods	Research on stakeholder perceptions (concern of PBT/vPvB chemicals, concept of essential use) using e.g. Delphi analysis and surveys
European Chemicals' strategy	Concept of essential use of chemicals

5. Membership of relevant professional bodies:

- Member of the Expert Committee on Risk Research and Risk Perception, German Federal Agency for Risk Research (BfR), Berlin (Germany), see https://www.bfr.bund.de/en/the_bfr_committees-644.html

6. Other Relevant Information:

Selected publications:

Gabbert, S., de Blaeij, A., Quik, J.T.K., Bakker, J., de Knecht, J., Verbruggen, E., Luit, R. (2022): "*Can cost-effectiveness analysis of control measures for persistent chemicals be improved? A critical evaluation of approaches for assessing "effectiveness""*. Journal of Industrial Ecology, https://doi.org/10.1111/jiec.13329.

Hilber, I., Gabbert, S. (2020): "*Choosing the best for preventing the worst: A structured analysis of the selection of risk management options in REACH restriction dossiers*." Regulatory Toxicology and Pharmacology 118, https://www.sciencedirect.com/science/article/pii/S027323002030235X

Gabbert, S., Hilber, I. (2019): "*Socio-economic analysis in REACH restriction dossiers: A critical review*." AMBIO 49, 1394-1411.

Leontaridou, M., Gabbert, S., Landsiedel, R. (2019): "*The impact of precision uncertainty of accuracy metrics of non-animal testing methods*." ALTEX 36(3), 435-446.

Gabbert, S., Klein, M., Hahn, S., Nendza, M., Oosterhuis, F. (2018): "*Approach for the evaluation of PBTs subject to 2uthorization and restriction procedures in the context of socio-economic analysis*." https://op.europa.eu/en/publication-detail/-/publication/ff4fea17-704d-11e8-9483-01aa75ed71a1/language-en/format-PDF/source-71972846.

Gabbert, S., Hilber, I. (2016): "*Time matters: A stock pollution approach to auathorisation decision-making for PBT/vPvB chemicals under REACH*." Journal of Environmental Management 183, 236-244.

Ilg, P., Gabbert, S., Weikard, H.-P. (2016): "*Nuclear Waste Management under Approaching Disaster: A Comparison of Decommissioning Strategies for the German Repository Asse II*." Risk Analysis 37(7), 1213-1232.

Van der Pol, T., Van Ierland, E.C., Gabbert, S., Weikard, H.-P., Hendrix, E. (2016): "*A Minimax Regret Analysis of Flood Risk Management Strategies under Climate Change Uncertainty and Emerging Information*." Environmental and Resource Economics 68, 1087-1109.

Leontaridou, M., Gabbert, S., Ierland, E.C., Worth, A.P., Landsiedel, R. (2016): "*Evaluation of Non-Animal Methods for Assessing Skin Sensitisation Hazard: A Bayesian Value-of-Information Analysis*". Alternatives to Laboratory Animals, 44(3), 1-15.

Gabbert, S., Weikard, H.-P. (2013): "*Sequential Testing when Costs Matter: A Value-of-Information Approach*." Human & Ecological Risk Assessment, 19, 1067-1088.

Gabbert, S., Weikard, H.-P. (2010): „*A Theory of Chemicals Testing and Regulation*." Natural Resources Forum 34 (2), 155-164.